

AMENDMENTS TO THE CLAIMS

Please amend the claims without prejudice. The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-8 (Cancelled)

9. (Currently amended) A method for removably securing at least one internal wall within a vessel, the method comprising the steps of:

inflating at least one inflatable seal to create a seal between the at least one internal wall and an internal cavity wall of the vessel;

attaching the at least one internal wall to a shaft, the shaft traversing longitudinally the vessel and adapted to transmit a force applied on the at least one internal wall to an end of the vessel;

removably securing the at least one internal wall within the vessel; and

attaching a removable cap at the end of the vessel.

10. (Currently amended) The method of claim 9, further comprising the steps of:

monitoring a pressure of a medium fluid of the at least one inflatable seal; and

controlling the pressure of the medium fluid.

11. (Currently amended) The method according to of claim 9, further comprising the steps of:

deflating the at least one inflatable seal;

opening the vessel over a full section of the vessel; and

removing the at least one internal wall from the vessel by hoisting the shaft.

12. (Currently amended) The method of claim 9 wherein:

a fluid is intended to flow through the vessel;

the system-vessel allows being adapted to separate a oily phase from an aqueous phase of the fluid; and

the at least one internal wall supports a coalescing polymer.

13. (Currently amended) The method of claim 12, wherein the coalescing polymer allows oil droplets of the oily phase to coalesce to form large oil drops, the method further comprising:
recovering the large oil drops at an oil output after the at least one internal wall relative to
a direction of fluid flow.

14. (Currently amended) A method for dismantling a vessel system, wherein the vessel system comprises a vessel and at least one internal wall located within the vessel, the method comprising the steps of:

deflating at least one inflatable seal, the at least one inflatable seal allowing to create a seal between the at least one internal wall and an internal cavity wall of the vessel;

attaching the at least one internal wall to a shaft, the shaft traversing longitudinally the vessel and adapted to transmit a force applied on the at least one internal wall to
an end of the vessel; and

removing a removable cap at the end of the vessel.

15. (Currently amended) The method of claim 14, further comprising the steps of:
disposing the vessel in a vertical orientation;
opening the vessel over a full section by removing ~~a~~the removable cap at ~~an~~the end of the vessel; and
removing the at least one internal wall from the vessel by hoisting the shaft.